

# Owais Kamal

MCS Previous evening  
Serial number: 54

HOME

PLOTS

APPS

New Script

New Live Script

New

Open

Find Files

Compare

Import Data

Save

New Variable

Open Variable

Clear Workspace

Favorites

Analyze Code

Run and Time

Clear Commands

Simulink

Layout

Preferences

Set Path

Add-Ons

Help

Community

Request Support

Learn MATLAB

FILE

VARIABLE

CODE

SIMULINK

ENVIRONMENT

RESOURCES

C: > Program Files > Polyspace > R2020a > bin >

Current Folder

Name ^

icutzdata

m3iregistry

util

win32

win64

crash\_analyzer.cfg

lcdata.xml

lcdata.xsd

lcdata\_utf8.xml

matlab.exe

mex.bat

mexext.bat

Details ^

Workspace

Name ^

Value

V

1x318 double

Command Window

New to MATLAB? See resources for [Getting Started](#).

18 18 18 19 19 18 19 18 18 18 18 18 18 20 21 18 22 18 18

Columns 229 through 247

18 21 19 20 18 19 20 19 18 18 18 18 18 19 19 18 19 18 18

Columns 248 through 266

19 20 21 21 19 18 19 19 19 21 19 19 19 18 19 20 18 21 19

Columns 267 through 285

20 19 18 19 20 20 19 17 19 18 19 18 19 18 19 19 19 18 18

Columns 286 through 304

19 21 18 18 18 19 20 18 18 18 19 18 19 18 18 21 19 19 19

Columns 305 through 318

19 19 18 19 20 18 19 19 19 20 19 20 18 18

fx >> |

HOME PLOTS APPS

New Script New Live Script

New Open Find Files Compare

Import Data Save Workspace

New Variable Open Variable Clear Workspace

Favorites

Analyze Code Run and Time Clear Commands

Simulink

Layout Preferences Set Path Add-Ons

Help Community Request Support Learn MATLAB

Sign In

FILE VARIABLE CODE SIMULINK ENVIRONMENT RESOURCES

C: &gt; Program Files &gt; Polyspace &gt; R2020a &gt; bin &gt;

Current Folder

Name ^
icutzdata
m3iregistry
util
win32
win64
crash_analyzer.cfg
lcdata.xml
lcdata.xsd
lcdata_utf8.xml
matlab.exe
mex.bat
mexext.bat

Details ^

Workspace

Name ^	Value
V	1x318 double

Command Window

New to MATLAB? See resources for [Getting Started](#).

```
Did you mean:
>> tabulate(V)
```

Value	Count	Percent
1	0	0.00%
2	0	0.00%
3	0	0.00%
4	0	0.00%
5	0	0.00%
6	0	0.00%
7	0	0.00%
8	0	0.00%
9	0	0.00%
10	0	0.00%
11	0	0.00%
12	0	0.00%
13	0	0.00%
14	0	0.00%
15	0	0.00%
16	0	0.00%
17	12	3.77%
18	124	38.99%
19	118	37.11%
20	36	11.32%
21	19	5.97%

HOME PLOTS APPS

Search Documentation Sign In

New Script New Live Script New Open Compare Import Data Save Workspace New Variable Open Variable Clear Workspace Favorites Analyze Code Run and Time Clear Commands Simulink Layout Preferences Set Path Add-Ons Help Community Request Support Learn MATLAB

FILE VARIABLE CODE SIMULINK ENVIRONMENT RESOURCES

C:\Program Files\Polyspace\R2020a\bin

Current Folder

Name ^
icutzdata
m3iregistry
util
win32
win64
crash_analyzer.cfg
lcdata.xml
lcdata.xsd
lcdata_utf8.xml
matlab.exe
mex.bat
mexext.bat

Details ^

Workspace

Name ^	Value
F	[12,124,118,3...
L	[17,18,19,20,...
V	1x318 double

Command Window

New to MATLAB? See resources for [Getting Started](#).

```
10      0      0.00%
11      0      0.00%
12      0      0.00%
13      0      0.00%
14      0      0.00%
15      0      0.00%
16      0      0.00%
17     12      3.77%
18    124     38.99%
19    118     37.11%
20     36     11.32%
21     19      5.97%
22      6      1.89%
23      0      0.00%
24      2      0.63%
25      1      0.31%

>> L = 17:1:26

L =

    17    18    19    20    21    22    23    24    25    26

>> F = histc(V,L);
fx>> |
<
```

HOME PLOTS APPS

New Script New Live Script

New Open Compare

Import Data Save Workspace

New Variable Open Variable Clear Workspace

Favorites

Analyze Code Run and Time Clear Commands

Simulink

Layout Set Path Add-Ons

Help

Community Request Support Learn MATLAB

Sign In

FILE VARIABLE CODE SIMULINK ENVIRONMENT RESOURCES

C:\Program Files\Polyspace\R2020a\bin

Current Folder

Name ^

icutzdata

m3iregistry

util

win32

win64

crash\_analyzer.cfg

lcdata.xml

lcdata.xsd

lcdata\_utf8.xml

matlab.exe

mex.bat

mexext.bat

Details ^

Workspace

Name ^	Value
ans	[12,136,254,2...
C	[12,136,254,2...
F	[12,124,118,3...
L	[17,18,19,20,...
V	1x318 double

Command Window

New to MATLAB? See resources for [Getting Started](#).

```
17 18 19 20 21 22 23 24 25 26

>> F = histc(V,L);
>> F =
    F =
    ↑
Error: Invalid expression. Check for missing or extra characters.

>> F=histc(V,L);
>> cumsum(F)

ans =

    12    136    254    290    309    315    315    317    318    318

>> C = cumsum(F);
>> cumsum(F)

ans =

    12    136    254    290    309    315    315    317    318    318

fx >>
```

HOME PLOTS APPS

New Script New Live Script New Open Compare Import Data Save Works

FILE

C:\Program Files\Polyspace\R2020a

Current Folder

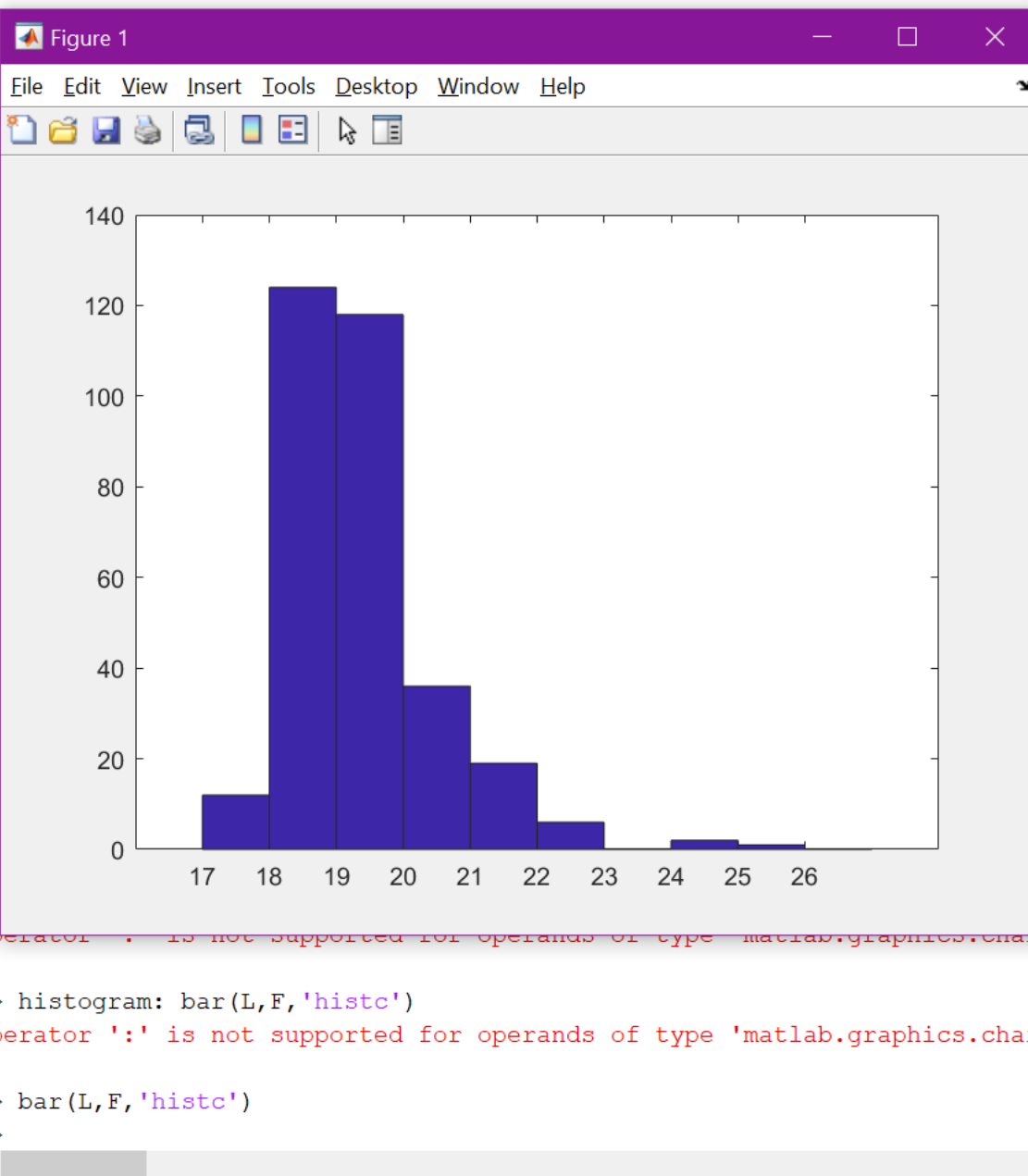
Name ^

- icutzdata
- m3iregistry
- util
- win32
- win64
- crash\_analyzer.cfg
- lcddata.xml
- lcddata.xsd
- lcddata\_utf8.xml
- matlab.exe
- mex.bat
- mexext.bat

Details ^

Workspace

Name ^	Value
ans	[12,136,254,2...]
C	[12,136,254,2...]
F	[12,124,118,3...]
L	[17,18,19,20,...]
V	1x318 double



Search Documentation

Add-Ons Help Community Request Support Learn MATLAB

RESOURCES

lbox\matlab\specgraph\histogram.m

t.primitive.Histogram'.

Operator ':' is not supported for operands of type 'matlab.graphics.chart.primitive.Histogram'.

HOME PLOTS APPS

plot Plot as multi...

SELECTION

Current Folder

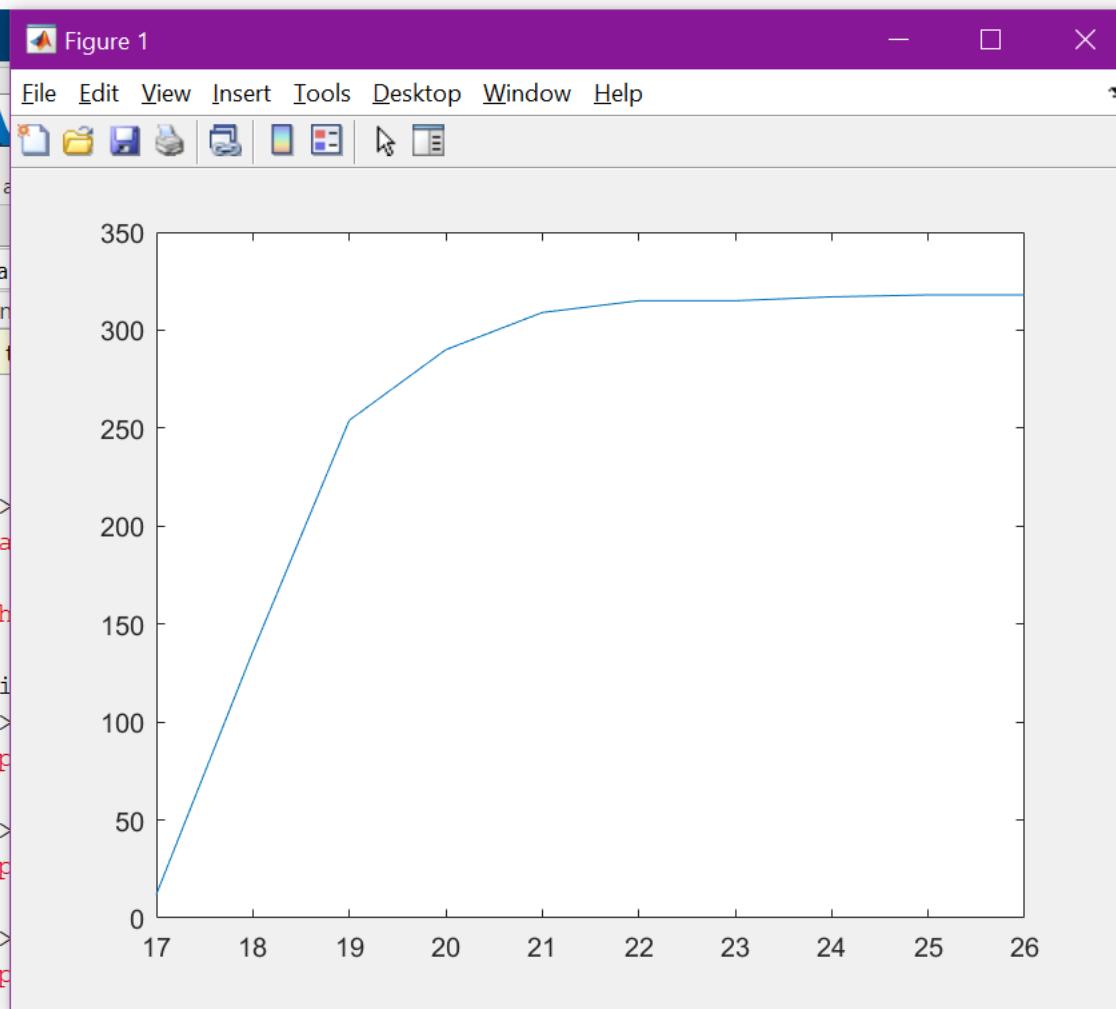
Name ^

- icutzdata
- m3iregistry
- util
- win32
- win64
- crash\_analyzer.cfg
- lcddata.xml
- lcddata.xsd
- lcddata\_utf8.xml
- matlab.exe
- mex.bat
- mexext.bat

Details

Workspace

Name ^	Value
ans	[12,136,254,2...]
c	[12,136,254,2...]
C	[12,136,254,2...]
F	[12,124,118,3...]
L	[17,18,19,20,...]
V	1x318 double



```
>>
Ca
Th
Di
>>
Op
>>
Op
>>
Op
>>
>> bar(L,F,'histc')
>> plot(L,C)
>> c=cumsum(F);
>> plot(L,c)
>> plot(L,c)
```

fx >>

<

Search Documentation

Sign In

errorbar errorbar (ho...

Reuse Figure

New Figure

OPTIONS

lbox\matlab\specgraph\histogram.m

t.primitive.Histogram'.

t.primitive.Histogram'.

t.primitive.Histogram'.

HOME PLOTS APPS

plot Plot as multi...

SELECTION

Current Folder

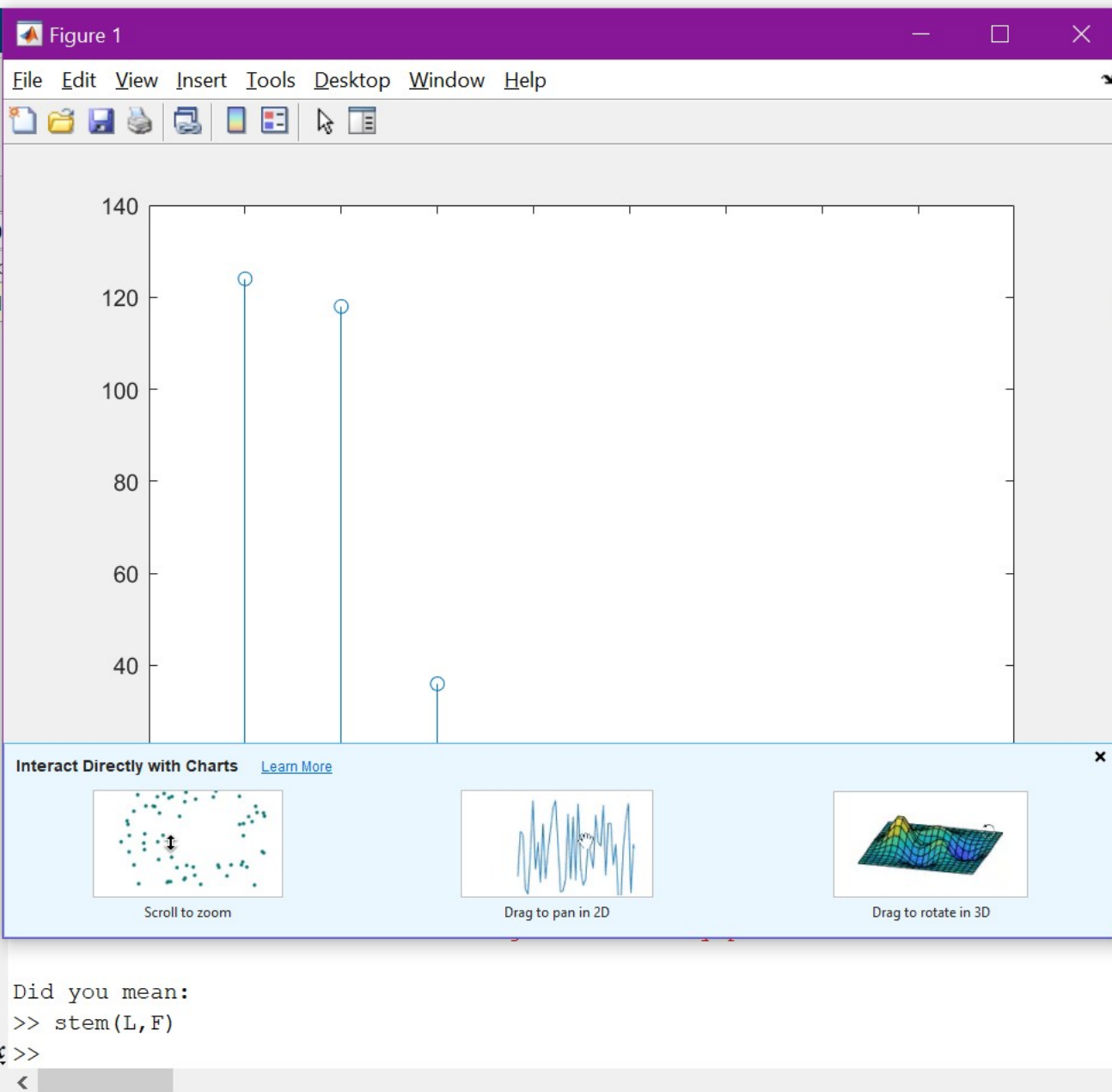
Name

- icutzdata
- m3iregistry
- util
- win32
- win64
- crash\_analyzer.cfg
- lcddata.xml
- lcddata.xsd
- lcddata\_utf8.xml
- matlab.exe
- mex.bat
- mexext.bat

Details

Workspace

Name	Value
ans	[12,136,254,2...]
c	[12,136,254,2...]
C	[12,136,254,2...]
F	[12,124,118,3...]
h	[17,18,20,21,...]
L	[17,18,19,20,...]
V	1x318 double



Search Documentation

Sign In

errorbar (ho...

Reuse Figure

New Figure

OPTIONS

ecgraph\stem.m



No Variable Selected



plot



Plot as multi...



Plot as multi...



area



bar



Select variable to plot

scatter



pie



histogram



contour



surf



mesh



semilogx

☐ Reuse Figure☐ New Figure

OPTIONS

SELECTION

PLOTS

C:\Program Files\Polyspace\R2020a\bin

Current Folder

Name ^
icutzdata
m3iregistry
util
win32
win64
crash_analyzer.cfg
lcdata.xml
lcdata.xsd
lcdata_utf8.xml
matlab.exe
mex.bat
mexext.bat

Details ^

Workspace

Name ^	Value
ans	[12,136,254,2...
c	[12,136,254,2...
C	[12,136,254,2...
F	[12,124,118,3...
h	[17,18,20,21,...
L	[17,18,19,20,...
M	[17.5000,18.5...
P	[18,19,20,21,...
V	1x318 double

Command Window

New to MATLAB? See resources for [Getting Started](#).

&gt;&gt; P = 18:1:27

P =

18 19 20 21 22 23 24 25 26 27

&gt;&gt; M = (L+P)/2

M =

17.5000 18.5000 19.5000 20.5000 21.5000 22.5000 23.5000 24.5000 25.5000 26.5000

fx &gt;&gt;

No Variable Selected



plot



Plot as multi...



Plot as multi...



area

SELECTION

C:\Program Files\Polyspace\R2020a\bin

Current Folder

Name ^

- icutzdata
- m3iregistry
- util
- win32
- win64
- crash\_analyzer.cfg
- lcddata.xml
- lcddata.xsd
- lcddata\_utf8.xml
- matlab.exe
- mex.bat
- mexext.bat

Details

Workspace

Name ^	Value
ans	[12,136,254,2...
c	[12,136,254,2...
C	[12,136,254,2...
F	[12,124,118,3...
h	[17,18,20,21,...
L	[17,18,19,20,...
M	[17.5000,18.5...
P	[18,19,20,21,...
V	1x318 double

Command Window

New to MATLAB? See

&gt;&gt; P = 18:1:2

P =

18 19

&gt;&gt; M = (L+P) /

M =

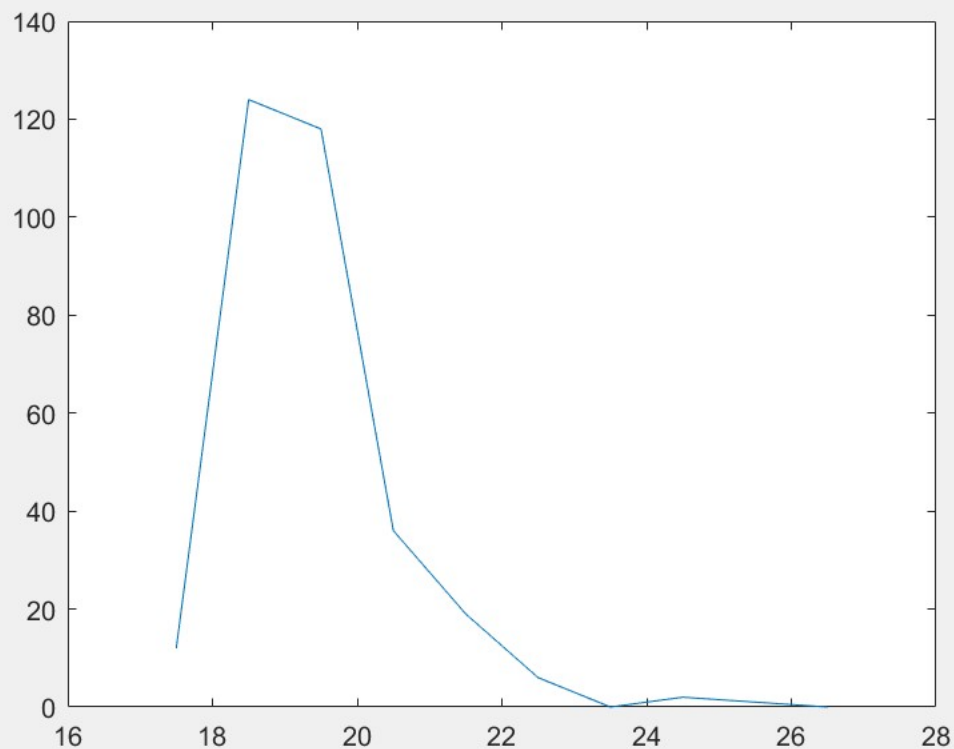
17.5000

&gt;&gt; plot(M, F)

fx &gt;&gt;

Figure 1

File Edit View Insert Tools Desktop Window Help



Search Documentation

Sign In



semilogx

☐ Reuse Figure☐ New Figure

OPTIONS

25.5000 26.5000

No Variable Selected



plot



Plot as multi...



Plot as multi...



area



bar



Select variable to plot



pie



histogram



contour



surf



mesh



semilogx

Reuse Figure

New Figure

OPTIONS

SELECTION

C:\Program Files\Polyspace\R2020a\bin

Current Folder

Name ^

- icutzdata
- m3iregistry
- util
- win32
- win64
- crash\_analyzer.cfg
- lcddata.xml
- lcddata.xsd
- lcddata\_utf8.xml
- matlab.exe
- mex.bat
- mexext.bat

Details

Workspace

Name ^	Value
ans	[12,136,254,2...
c	[12,136,254,2...
C	[12,136,254,2...
F	[12,124,118,3...
h	[17,18,20,21,...
L	[17,18,19,20,...
M	[17.5000,18.5...
P	[18,19,20,21,...
V	1x318 double

Command Window

New to MATLAB? See r

&gt;&gt; P = 18:1:2

P =

18 19

&gt;&gt; M = (L+P) /

M =

17.5000

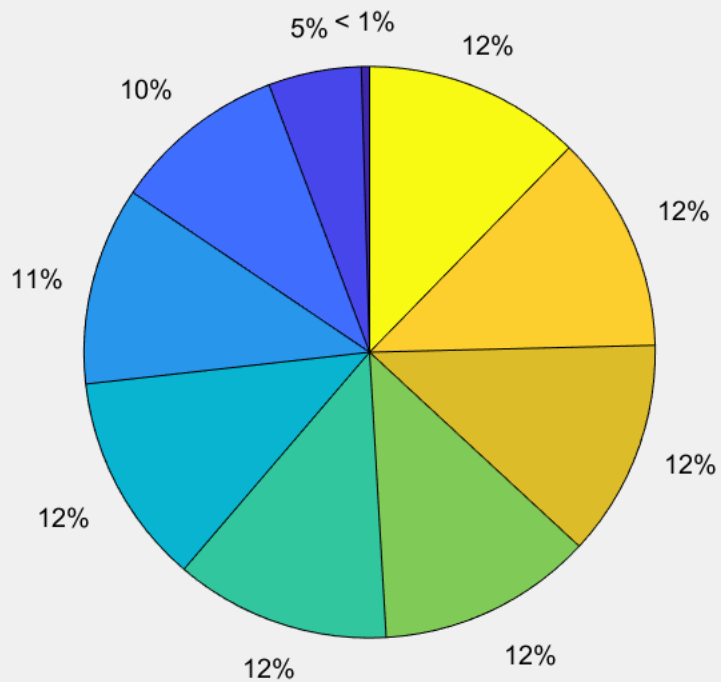
&gt;&gt; plot(M, F)

&gt;&gt; pie(C)

fx &gt;&gt;

Figure 1

File Edit View Insert Tools Desktop Window Help



25.5000 26.5000





